

IN THE CLAIMS

Please amend the claims as follows:

1-11. (Cancel)

12. (Currently Amended) A gas turbine combustor comprising ~~an acoustic energy absorbing a combustor~~ wall configured to absorb acoustic energy of a combustion variation, the ~~acoustic energy absorbing combustor~~ wall including a perforated plate and a back plate, the back plate being disposed outside the perforated plate in a radial direction and spaced apart from the perforated plate by a gap,

wherein the perforated plate has openings which are positioned such that a distance L1 between the openings in a longitudinal direction and a distance L2 between the openings in a circumferential direction have a relationship of $0.25 \leq L1 / L2 \leq 4$ and positions of the openings adjacently arrayed in a row in the circumferential direction are offset such that the positions of the openings in every other row are aligned in the longitudinal direction.

13. (Currently Amended) The gas turbine combustor according to claim [[7]] 12, wherein the distance between the openings on the perforated plate is not uniform.

14. (Currently Amended) The gas turbine combustor according to claim [[7]] 12, wherein the distance between the perforated plate and the back plate is not uniform.

15. (Currently Amended) The gas turbine combustor according to claim [[7]] 12, wherein the thickness of the perforated plate is not uniform.

16. (Currently Amended) The gas turbine combustor according to claim [[7]] 12, wherein the perforated plate is cooled with vapor.

Application Serial No.: 10/032,035
Reply to Office Action dated December 10, 2003

17. (Previously Presented) The gas turbine combustor according to claim 12, wherein the gap is configured to introduce cooling air between the perforated plate and the back plate.

18. (Currently Amended) The gas turbine combustor according to claim [[1]] 12, wherein there is disposed a covering member at the outside of the ~~acoustic energy absorbing member combustor wall~~ in a radial direction, for covering the ~~acoustic energy absorbing member combustor wall~~ at a distance from the ~~acoustic energy absorbing member combustor wall~~.

19. (Currently Amended) The gas turbine combustor according to claim 18, wherein cooling air is introduced into a gap between the ~~acoustic energy absorbing member combustor wall~~ and the covering member.

20. (Currently Amended) The gas turbine combustor according to claim [[1]] 12, wherein the ~~acoustic energy absorbing member combustor wall~~ and/or the covering member are reinforced with a frame that extends in a circumferential direction and/or a longitudinal direction.

21. (New) The gas turbine combustor according to claim 12, wherein the back plate has openings through which air can pass.

22. (New) The gas turbine combustor according to claim 12, wherein a honeycomb plate is disposed between the perforated plate and the back plate.

23. (New) The gas turbine combustor according to claim 12, wherein the diameter of holes in the perforated plate is 5 mm or less.

24. (New) The gas turbine combustor according to claim 12, wherein there are a plurality of diameters for the openings on the perforated plate.

Application Serial No.: 10/032,035
Reply to Office Action dated December 10, 2003

25. (New) A gas turbine combustor comprising a combustor wall configured to absorb acoustic energy of a combustion variation, the combustor wall including a first perforated plate, a second perforated plate, and a back plate,

wherein a portion of the first perforated plate overlaps a portion of the second perforated plate,

wherein the back plate is disposed outside the first perforated plate and the second perforated plate in a radial direction and spaced apart from the first perforated plate and the second perforated plate by a gap, and

wherein the second perforated plate has cooling pipes embedded therein that are configured to receive cooling fluid.

26. (New) The gas turbine combustor according to claim 25, wherein the back plate has openings extending through the back plate.

27. (New) The gas turbine combustor according to claim 25, wherein perforations in the first perforated plate are provided in a first pattern, wherein perforations in the second perforated plate are provided in a second pattern, and wherein the first pattern is different from the second pattern.

28. (New) The gas turbine combustor according to claim 25, wherein the first perforated plate is connected to the second perforated plate by a spring clip

29. (New) The gas turbine combustor according to claim 25, wherein the first perforated plate has openings which are positioned such that a distance L1 between the openings in a longitudinal direction and a distance L2 between the openings in a circumferential direction have a relationship of $0.25 \leq L1 / L2 \leq 4$.